

STN Columbus

***** Welcome to STN International *****

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NEWS 1      Web Page for STN Seminar Schedule - N. America
NEWS 2 JUL 28 CA/Caplus patent coverage enhanced
NEWS 3 JUL 28 EPFULL enhanced with additional legal status
           information from the epoline Register
NEWS 4 JUL 28 IFICDB, IFIPAT, and IFIUDB reloaded with enhancements
NEWS 5 JUL 28 STN Viewer performance improved
NEWS 6 AUG 01 INPADOCDB and INPAFAMDB coverage enhanced
NEWS 7 AUG 13 CA/Caplus enhanced with printed Chemical Abstracts
           page images from 1967-1998
NEWS 8 AUG 15 CAOLD to be discontinued on December 31, 2008
NEWS 9 AUG 15 Caplus currency for Korean patents enhanced
NEWS 10 AUG 27 CAS definition of basic patents expanded to ensure
           comprehensive access to substance and sequence
           information
NEWS 11 SEP 18 Support for STN Express, Versions 6.01 and earlier,
           to be discontinued
NEWS 12 SEP 25 CA/Caplus current-awareness alert options enhanced
           to accommodate supplemental CAS indexing of
           exemplified prophetic substances
NEWS 13 SEP 26 WPIDS, WPINDEX, and WPIX coverage of Chinese and
           and Korean patents enhanced
NEWS 14 SEP 29 IFICLS enhanced with new super search field
NEWS 15 SEP 29 EMBASE and EMBAL enhanced with new search and
           display fields
NEWS 16 SEP 30 CAS patent coverage enhanced to include exemplified
           prophetic substances identified in new Japanese-
           language patents
NEWS 17 OCT 07 EPFULL enhanced with full implementation of EPC2000
NEWS 18 OCT 07 Multiple databases enhanced for more flexible patent
           number searching
NEWS 19 OCT 22 Current-awareness alert (SDI) setup and editing
           enhanced
NEWS 20 OCT 22 WPIDS, WPINDEX, and WPIX enhanced with Canadian PCT
           Applications
NEWS 21 OCT 24 CHEMLIST enhanced with intermediate list of
           pre-registered REACH substances
NEWS 22 NOV 21 CAS patent coverage to include exemplified prophetic
           substances identified in English-, French-, German-,
           and Japanese-language basic patents from 2004-present

NEWS EXPRESS JUNE 27 08 CURRENT WINDOWS VERSION IS V8.3,
           AND CURRENT DISCOVER FILE IS DATED 23 JUNE 2008.

NEWS HOURS   STN Operating Hours Plus Help Desk Availability
NEWS LOGIN   Welcome Banner and News Items
NEWS IPC8     For general information regarding STN implementation of IPC 8

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Enter NEWS followed by the item number or name to see news on that specific topic.

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***** STN Columbus *****

FILE 'HOME' ENTERED AT 07:24:11 ON 25 NOV 2008

```

=> fil ca
COST IN U.S. DOLLARS           SINCE FILE          TOTAL
                                ENTRY          SESSION
FULL ESTIMATED COST           0.42             0.42

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FILE 'CA' ENTERED AT 07:25:28 ON 25 NOV 2008
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FILE COVERS 1907 - 21 Nov 2008 VOL 149 ISS 22
FILE LAST UPDATED: 21 Nov 2008 (20081121/ED)

CA now includes complete International Patent Classification (IPC) reclassification data for the third quarter of 2008.

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

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=> e WO2005064415/pn
E1      1      WO2005064413/PN
E2      1      WO2005064414/PN
E3      1 -->  WO2005064415/PN
E4      1      WO2005064416/PN
E5      1      WO2005064521/PN
E6      1      WO2005064551/PN
E7      1      WO2005064560/PN
E8      1      WO2005064575/PN
E9      2      WO2005064590/PN
E10     1      WO2005064597/PN
E11     1      WO2005064598/PN
E12     1      WO2005064619/PN
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```
=> s e3; sel rn
L1      1      WO2005064415/PN
          (WO2005064415/PN)
```

E1 THROUGH E5 ASSIGNED

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COST IN U.S. DOLLARS                SINCE FILE      TOTAL
                                     ENTRY      SESSION
FULL ESTIMATED COST                2.56          2.98
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USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 23 NOV 2008 HIGHEST RN 1074766-44-1
DICTIONARY FILE UPDATES: 23 NOV 2008 HIGHEST RN 1074766-44-1

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH July 5, 2008.

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

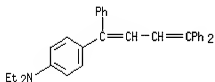
=> s e1-e5

1 115655-09-9/BI
(115655-09-9/RN)
1 13463-67-7/BI
(13463-67-7/RN)
1 167859-28-1/BI
(167859-28-1/RN)
1 25036-53-7/BI
(25036-53-7/RN)
1 25038-81-7/BI
(25038-81-7/RN)

L2 5 (115655-09-9/BI OR 13463-67-7/BI OR 167859-28-1/BI OR 25036-53-7/BI OR 25038-81-7/BI)

=> d scan

L2 5 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Benzenamine, N,N-diethyl-4-(1,4,4-triphenyl-1,3-butadien-1-yl)-
MF C32 H31 N

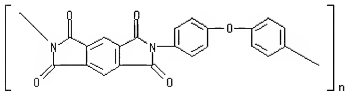


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):.

L2 5 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Poly[(5,7-dihydro-1,3,5,7-tetraoxobenzo[1,2-c:4,5-c']dipyrrole-2,6(1H,3H)-diyl)-1,4-phenyleneoxy-1,4-phenylene]
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CI PMS, COM

RELATED POLYMERS AVAILABLE WITH POLYLINK



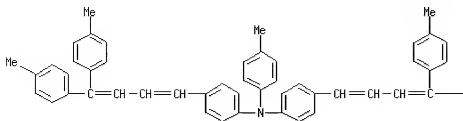
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):.

L2 5 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Benzenamine, N-bis[4-[4,4-bis(4-methylphenyl)-1,3-butadien-1-yl]phenyl]-

4-methyl-
MF C55 H49 N

PAGE 1-A



PAGE 1-B



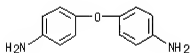
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

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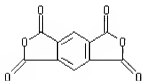
L2 5 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN 1H,3H-Benzo[1,2-c:4,5-c']difuran-1,3,5,7-tetrone, polymer with
4,4'-oxybis[benzenamine]
ADDITIONAL NAMES NOT AVAILABLE IN THIS FORMAT
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CI PMS, COM

RELATED POLYMERS AVAILABLE WITH POLYLINK

CM 1



CM 2



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):.

L2 5 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Titanium oxide (TiO2)

ADDITIONAL NAMES NOT AVAILABLE IN THIS FORMAT

MF O2 T1

CI COM

0=T1=0

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

ALL ANSWERS HAVE BEEN SCANNED

=> log h

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	2.76	5.74

SESSION WILL BE HELD FOR 120 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 07:29:36 ON 25 NOV 2008

* * * * * RECONNECTED TO STN INTERNATIONAL * * * * *
SESSION RESUMED IN FILE 'REGISTRY' AT 07:55:11 ON 25 NOV 2008
FILE 'REGISTRY' ENTERED AT 07:55:11 ON 25 NOV 2008
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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	2.76	5.74

=> fil reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	3.22	6.20

FILE 'REGISTRY' ENTERED AT 07:55:33 ON 25 NOV 2008
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STRUCTURE FILE UPDATES: 23 NOV 2008 HIGHEST RN 1074766-44-1
DICTIONARY FILE UPDATES: 23 NOV 2008 HIGHEST RN 1074766-44-1

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH July 5, 2008.

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=>

Uploading C:\Program Files\Stnexp\Queries\584348.str
screen 1992 AND 1841

L3 SCREEN CREATED

=>

L4 STRUCTURE UPLOADED

=>

L5 QUE L4 AND L3

=>

Uploading C:\Program Files\Stnexp\Queries\584348I.str
screen 1994 OR 1842

L6 SCREEN CREATED

=>

L7 STRUCTURE UPLOADED

=>

L8 QUE L7 NOT L6

=>

Uploading C:\Program Files\Stnexp\Queries\584348II.str

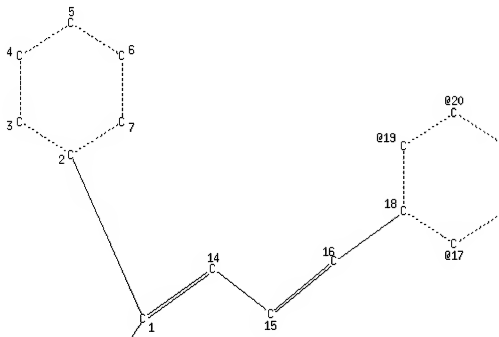
L9 STRUCTURE UPLOADED

=> d l5

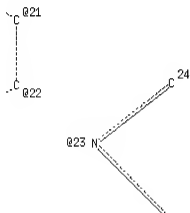
L5 HAS NO ANSWERS

L3 SCR 1992 AND 1841

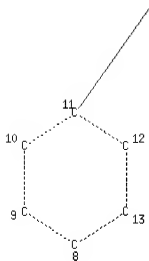
L4 STR



Page 1-A



Page 1-B



Page 2-A



Page 2-B

VPA 23-17/19/20/21/22 S

NODE ATTRIBUTES:

NSPEC	IS C	AT	1
NSPEC	IS R	AT	2
NSPEC	IS R	AT	3
NSPEC	IS R	AT	4
NSPEC	IS R	AT	5
NSPEC	IS R	AT	6
NSPEC	IS R	AT	7
NSPEC	IS R	AT	8
NSPEC	IS R	AT	9
NSPEC	IS R	AT	10
NSPEC	IS R	AT	11
NSPEC	IS R	AT	12
NSPEC	IS R	AT	13
NSPEC	IS C	AT	14
NSPEC	IS C	AT	15
NSPEC	IS C	AT	16
NSPEC	IS R	AT	17
NSPEC	IS R	AT	18
NSPEC	IS R	AT	19
NSPEC	IS R	AT	20
NSPEC	IS R	AT	21
NSPEC	IS R	AT	22
NSPEC	IS C	AT	23
NSPEC	IS RC	AT	24
NSPEC	IS RC	AT	25

DEFAULT MLEVEL IS ATOM
 MLEVEL IS CLASS AT 1 14 15 16 23 24 25
 DEFAULT ELEVEL IS LIMITED

GRAPH ATTRIBUTES:

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 NUMBER OF NODES IS 25

STEREO ATTRIBUTES: NONE

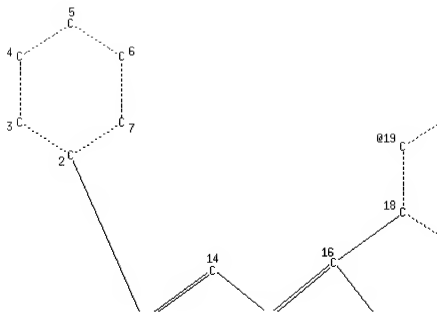
L5 QUE L4 AND L3

=> d 18; d 19

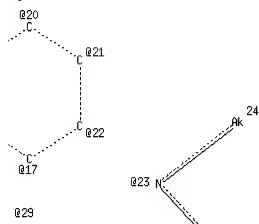
L8 HAS NO ANSWERS

L6 SCR 1994 OR 1842

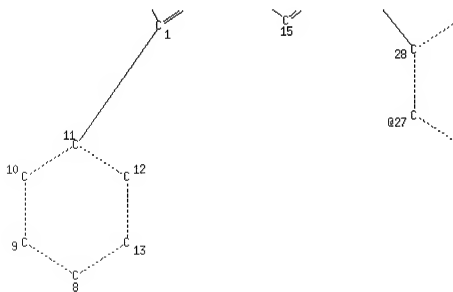
L7 STR

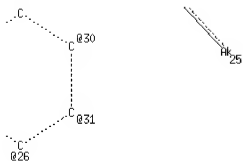


Page 1-A



Page 1-B





G1 @32

Page 2-B

VAR G1=33/34

VPA 23-17/19/20/21/22 S

VPA 32-26/27/29/30/31 S

NODE ATTRIBUTES:

NSPEC	IS	C	AT	1
NSPEC	IS	R	AT	2
NSPEC	IS	R	AT	3
NSPEC	IS	R	AT	4
NSPEC	IS	R	AT	5
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NSPEC	IS	R	AT	17
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NSPEC	IS	R	AT	20
NSPEC	IS	R	AT	21
NSPEC	IS	R	AT	22
NSPEC	IS	C	AT	23
NSPEC	IS	C	AT	24
NSPEC	IS	C	AT	25
NSPEC	IS	R	AT	26
NSPEC	IS	R	AT	27
NSPEC	IS	R	AT	28
NSPEC	IS	R	AT	29
NSPEC	IS	R	AT	30
NSPEC	IS	R	AT	31
NSPEC	IS	C	AT	32

DEFAULT MLEVEL IS ATOM
 MLEVEL IS CLASS AT 1 14 15 16 23 24 25 33 34
 DEFAULT ELEVEL IS LIMITED

GRAPH ATTRIBUTES:

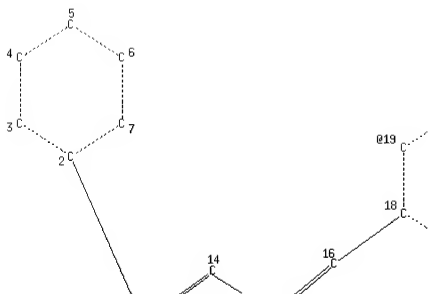
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STEREO ATTRIBUTES: NONE

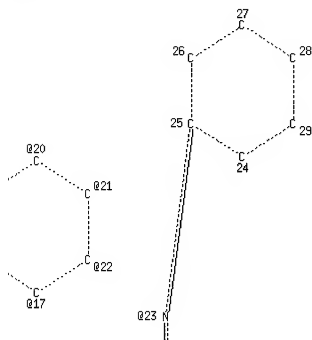
L8 QUE L7 NOT L6

L9 HAS NO ANSWERS

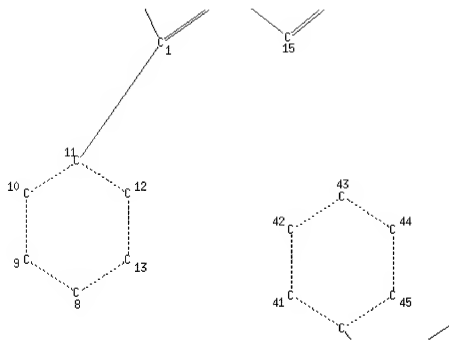
L9 STR



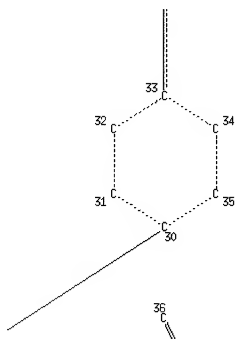
Page 1-A



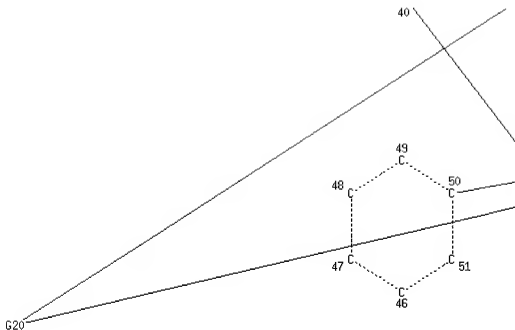
Page 1-B



Page 2-A



Page 2-B



Page 3-A



Page 3-B

52

Page 4-A

REP G20=(0-1) 36-30 37-38

VPA 23-17/19/20/21/22 S

NODE ATTRIBUTES:

NSPEC	IS	C	AT	1
NSPEC	IS	R	AT	2
NSPEC	IS	R	AT	3
NSPEC	IS	R	AT	4
NSPEC	IS	R	AT	5
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NSPEC	IS	C	AT	14
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NSPEC	IS	C	AT	16
NSPEC	IS	R	AT	17
NSPEC	IS	R	AT	18

NSPEC IS R AT 19
 NSPEC IS R AT 20
 NSPEC IS R AT 21
 NSPEC IS R AT 22
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 DEFAULT MLEVEL IS ATOM
 MLEVEL IS CLASS AT 1 14 15 16 23 36 37 38 39
 DEFAULT ELEVEL IS LIMITED

GRAPH ATTRIBUTES:
 RING(S) ARE ISOLATED OR EMBEDDED
 NUMBER OF NODES IS 52

STEREO ATTRIBUTES: NONE

=> s 15 sam
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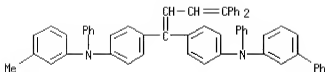
100.0% PROCESSED 124 ITERATIONS 27 ANSWERS
 SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
 BATCH **COMPLETE**
 PROJECTED ITERATIONS: 1812 TO 3148
 PROJECTED ANSWERS: 229 TO 851

L10 27 SEA SSS SAM L4 AND L3

=> d scan

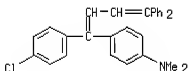
L10 27 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
 IN [1,1'-Biphenyl]-3-amine, N-[4-[1-[4-[(3-methylphenyl)phenylamino]phenyl]-
 4,4-diphenyl-1,3-butadienyl]phenyl]-N-phenyl- (9CI)
 MF C59 H46 N2



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):.

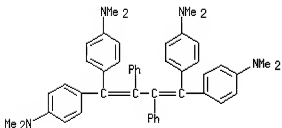
L10 27 ANSWERS REGISTRY COPYRIGHT 2008 ACS on SIN
IN Benzenamine, 4-[1-(4-chlorophenyl)-4,4-diphenyl-1,3-butadien-1-yl]-N,N-
dimethyl-
MF C30 H26 Cl N



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):.

L10 27 ANSWERS REGISTRY COPYRIGHT 2008 ACS on SIN
IN Benzenamine, 4,4',4'',4'''-(2,3-diphenyl-1,3-butadiene-1,4-
diylidene)tetrakis[N,N-dimethyl- (9CI)
MF C48 H50 N4



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):end

-> s 15 sss full
FULL SEARCH INITIATED 07:59:51 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 2362 TO ITERATE

100.0% PROCESSED 2362 ITERATIONS 404 ANSWERS
SEARCH TIME: 00.00.01

L11 404 SEA SSS FUL L4 AND L3

-> s 18 sub-l11
ENTER SUBSET SEARCH SCOPE - SAMPLE, FULL, RANGE, OR (END):full
FULL SUBSET SEARCH INITIATED 08:01:05 FILE 'REGISTRY'
FULL SUBSET SCREEN SEARCH COMPLETED - 69 TO ITERATE

100.0% PROCESSED 69 ITERATIONS 66 ANSWERS
SEARCH TIME: 00.00.01

L12 66 SEA SUB=L11 SSS FUL L7 NOT L6

=> s 19 sub=l11 full

FULL SUBSET SEARCH INITIATED 08:01:22 FILE 'REGISTRY'

FULL SUBSET SCREEN SEARCH COMPLETED - 105 TO ITERATE

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59 ANSWERS

SEARCH TIME: 00.00.01

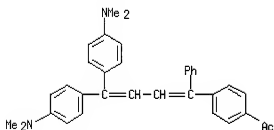
L13 59 SEA SUB=L11 SSS FUL L9

=> d scan 112

L12 66 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN

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MF C34 H34 N2 O



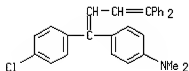
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):.

L12 66 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN

IN Benzenamine, 4-[1-(4-chlorophenyl)-4,4-diphenyl-1,3-butadien-1-yl]-N,N-dimethyl-

MF C30 H26 Cl N



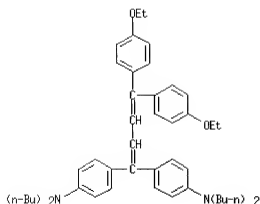
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):.

L12 66 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN

IN Benzenamine, 4,4'-[4,4-bis(4-ethoxyphenyl)-1,3-butadienyldiene]bis[N,N-dibutyl-

MF C48 H64 N2 O2



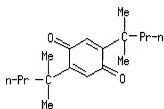
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):.

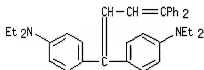
L12 66 ANSWERS REGISTRY COPYRIGHT 2008 ACS on SIN
IN 2,5-Cyclohexadiene-1,4-dione, 2,5-bis(1,1-dimethylbutyl)-, compd. with
4,4'-(4,4-diphenyl-1,3-butadienyldene)bis[N,N-diethylbenzenamine] (1:1)
(9CI)

MF C36 H40 N2 . C18 H28 O2

CM 1



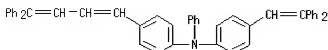
CM 2



HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):end

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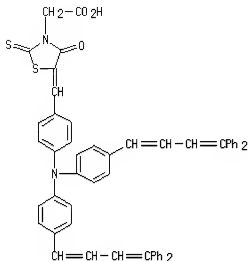
L13 59 ANSWERS REGISTRY COPYRIGHT 2008 ACS on SIN
IN Benzenamine, 4-[(4,4-diphenyl-1,3-butadien-1-yl)-N-[(2,2-diphenylethenyl)phenyl]-N-phenyl]-
MF C48 H37 N



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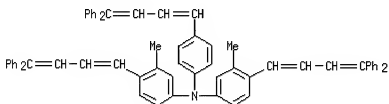
L13 59 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN 3-Thiazolidineacetic acid, 5-[[4-[bis[4-(4,4-diphenyl-1,3-butadien-1-yl)phenyl]amino]phenyl]methylene]-4-oxo-2-thio-
MF C56 H42 N2 O3 S2



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):.

L13 59 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Benzenamine, 4-(4,4-diphenyl-1,3-butadien-1-yl)-N-[4-(4,4-diphenyl-1,3-butadien-1-yl)-3-methylphenyl]-N-[4-(4,4-diphenyl-1,3-butadien-1-yl)phenyl]-3-methyl-
MF C68 H55 N



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):end

=> d his

(FILE 'HOME' ENTERED AT 07:24:11 ON 25 NOV 2008)

FILE 'CA' ENTERED AT 07:25:28 ON 25 NOV 2008

L1 1 S E3
SEL RN

FILE 'REGISTRY' ENTERED AT 07:25:56 ON 25 NOV 2008

L2 5 S E1-E5

FILE 'REGISTRY' ENTERED AT 07:55:33 ON 25 NOV 2008

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L3      SCREEN 1992 AND 1841
L4      STRUCTURE UPLOADED
L5      QUE L4 AND L3
L6      SCREEN 1994 OR 1842
L7      STRUCTURE UPLOADED
L8      QUE L7 NOT L6
L9      STRUCTURE UPLOADED
L10     27 S L5 SAM
L11     404 S L5 SSS FULL
L12     66 S L8 SUB=L11 FULL
L13     59 S L9 FULL SUB=L11

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=> fil caplus; s l12 and l13

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FULL ESTIMATED COST	267.62	273.82

FILE 'CAPLUS' ENTERED AT 08:02:32 ON 25 NOV 2008
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FILE COVERS 1907 - 25 Nov 2008 VOL 149 ISS 22
 FILE LAST UPDATED: 24 Nov 2008 (20081124/ED)

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Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/legal/infopolicy.html>

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          469 L12
          85 L13
L14      19 L12 AND L13

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L14 ANSWER 1 OF 19 CAPLUS COPYRIGHT 2008 ACS ON STN

Full Text

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AN 2007:1178295 CAPLUS
DN 147:436836
TI Electrophotographic photoreceptors with oxytitanium phthalocyanine charge
generators and pyrazolenylcyclohexadiene charge transporters
IN Uchida, Tadayoshi; Kiuchi, Yasuyuki
PA Yamanashi Electronics Co., Ltd., Japan; Permchem Asia, Ltd.
SO Jpn. Kokai Tokkyo Koho, 34pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

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	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2007271962	A	20071018	JP 2006-97893	20060331
PRAI	JP 2006-97893		20060331		
OS	MARPAT 147:436836				
IT	109995-82-6		130382-78-4		

RL: TEM (Technical or engineered material use); USES (Uses)

(Hole transporter; electrophotog. photoreceptors with oxytitanium phthalocyanine charge generators and pyrazolonylcyclohexadiene charge transporters)

IT 118985-32-3 **167859-28-1**

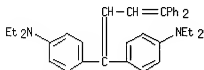
RL: TEM (Technical or engineered material use); USES (Uses)
(electrophotog. photoreceptors with oxytitanium phthalocyanine charge generators and pyrazolonylcyclohexadiene charge transporters)

IT **109995-82-6**

RL: TEM (Technical or engineered material use); USES (Uses)
(Hole transporter; electrophotog. photoreceptors with oxytitanium phthalocyanine charge generators and pyrazolonylcyclohexadiene charge transporters)

RN 109995-82-6 CAPLUS

CN Benzenamine, 4,4'-[(4,4-diphenyl-1,3-butadien-1-ylidene)bis[N,N-diethyl-
(CA INDEX NAME)]

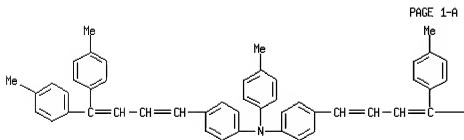


IT **167859-28-1**

RL: TEM (Technical or engineered material use); USES (Uses)
(electrophotog. photoreceptors with oxytitanium phthalocyanine charge generators and pyrazolonylcyclohexadiene charge transporters)

RN 167859-28-1 CAPLUS

CN Benzenamine, N,N-bis[4-[4,4-bis(4-methylphenyl)-1,3-butadien-1-yl]phenyl]-
4-methyl- (CA INDEX NAME)



PAGE 1-A

PAGE 1-B



L14 ANSWER 2 OF 19 CAPLUS COPYRIGHT 2008 ACS on STN

Full Text

AN 2006:680759 CAPLUS

DN 145:156007

TI High stability and low cost electrophotographic photoreceptor and
electrophotographic imaging apparatus

IN Lim, An-Kee; Yon, Kyung-Yol; Kim, Ji-Uk

PA Samsung Electronics Co., Ltd., S. Korea

SO U.S. Pat. Appl. Publ., 15 pp.

CODEN: USXXCO

DT Patent

LA English

FAN.CNT 1

PATENT NO.

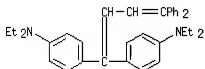
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APPLICATION NO.

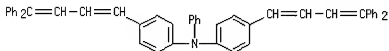
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PI	US 20060154159	A1	20060713	US 2006-330052	20060112
	KR 2006082611	A	20060719	KR 2005-3184	20050113
	JP 2006195476	A	20060727	JP 2006-6511	20060113
PRAI	KR 2005-3184	A	20050113		

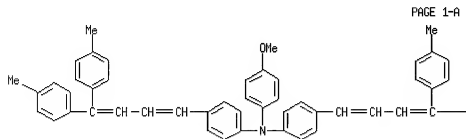
IT 2082-79-3, Octadecyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate
9005-12-3, KF-50 25135-52-8, PCZ400 26471-16-9 31230-04-3
65181-78-4 76185-65-4, N,N,N',N'-Tetrakis(4-methylphenyl)benzidine
81966-02-1, GPL-G 89114-91-0 103079-11-4, CTC-191 106614-54-4
109995-82-6, T405 167859-26-9 167859-29-2
178924-17-9 214341-85-2
RL: TEM (Technical or engineered material use); USES (Uses)
(high stability and low cost electrophotog. photoreceptor and
electrophotog. imaging app.)
IT **109995-82-6, T405 167859-26-9 167859-29-2**
RL: TEM (Technical or engineered material use); USES (Uses)
(high stability and low cost electrophotog. photoreceptor and
electrophotog. imaging app.)
RN 109995-82-6 CAPLUS
CN Benzenamine, 4-(4,4-diphenyl-1,3-butadien-1-ylidene)bis[N,N-diethyl-
(CA INDEX NAME)]



RN 167859-26-9 CAPLUS
CN Benzenamine, 4-(4,4-diphenyl-1,3-butadien-1-yl)-N-[4-(4,4-diphenyl-1,3-butadien-1-yl)phenyl]-N-phenyl- (CA INDEX NAME)



RN 167859-29-2 CAPLUS
CN Benzenamine, 4-[4,4-bis(4-methylphenyl)-1,3-butadien-1-yl]-N-[4-[4,4-bis(4-methylphenyl)-1,3-butadien-1-yl]phenyl]-N-(4-methoxyphenyl)- (CA INDEX NAME)



PAGE 1-A

PAGE 1-B



Full Text

AN 2006:31688 CAPLUS

DN 144:117749

TI Electrophotographic photoreceptor

IN Suzuki, Hajime; Tsushima, Masataka; Nakamura, Hideki

PA Yamanashi Electronics Co., Ltd., Japan; Shindengen Electric Mfg. Co., Ltd.

SO PCT Int. Appl., 43 pp.

CODEN: PIXXD2

DT Patent

LA Japanese

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006003897	A1	20060112	WO 2005-JP11848	20050628
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				

PRAI JP 2004-193838

A

20040630

OS MARPAT 144:117749

IT 115655-09-9 118985-32-3 123231-31-2 149815-35-0

167859-28-1

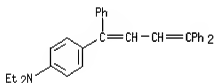
 RL: MOA (Modifier or additive use); USES (Uses)
 (charge transfer agent for electrophotog. photoreceptor)

IT 115655-09-9 167859-28-1

 RL: MOA (Modifier or additive use); USES (Uses)
 (charge transfer agent for electrophotog. photoreceptor)

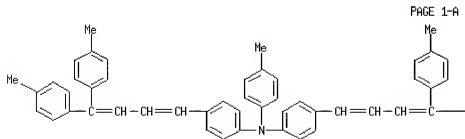
RN 115655-09-9 CAPLUS

CN Benzenamine, N,N-diethyl-4-(1,4,4-triphenyl-1,3-butadien-1-yl)- (CA INDEX NAME)



RN 167859-28-1 CAPLUS

CN Benzenamine, N,N-bis[4-[4,4-bis(4-methylphenyl)-1,3-butadien-1-yl]phenyl]-4-methyl- (CA INDEX NAME)





RE.CNT 22 THERE ARE 22 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L14 ANSWER 4 OF 19 CAPLUS COPYRIGHT 2008 ACS on STN

Full Text

AN 2005:612566 CAPLUS

DN 143:142677

TI Electrophotographic photoreceptor and electrophotographic apparatus

IN Suzuki, Hajime; Uchida, Tadayoshi; Kobayashi, Ryoji

PA Shindengen Electric Mfg. Co., Ltd., Japan; Yamanashi Electronics Co., Ltd.

SO PCT Int. Appl., 28 pp.

CODEN: PIXXD2

DT Patent

LA Japanese

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005064415	A1	20050714	WO 2004-JP19063	20041221
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG US 20070148574 A1 20070628 US 2006-584348 20060623 PRAI JP 2003-434462 A 20031226 WO 2004-JP19063 W 20041221 OS MARPAT 143:142677 IT 115655-09-9 167859-28-1				

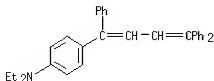
RL: DEV (Device component use); USES (Uses)
(charge transfer agent; electrophotog. photoreceptor and electrophotog. app. showing excellent repetition stability and environmental performance)

IT 115655-09-9 167859-28-1

RL: DEV (Device component use); USES (Uses)
(charge transfer agent; electrophotog. photoreceptor and electrophotog. app. showing excellent repetition stability and environmental performance)

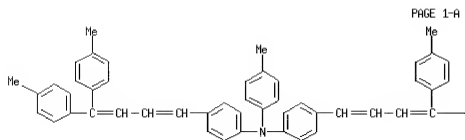
RN 115655-09-9 CAPLUS

CN Benzenamine, N,N-diethyl-4-(1,4,4-triphenyl-1,3-butadien-1-yl)- (CA INDEX NAME)



RN 167859-28-1 CAPLUS

CN Benzenamine, N,N-bis[4-[4,4-bis(4-methylphenyl)-1,3-butadien-1-yl]phenyl]-4-methyl- (CA INDEX NAME)



PAGE 1-B



RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L14 ANSWER 5 OF 19 CAPLUS COPYRIGHT 2008 ACS on STN

Full Text

AN 2005:408508 CAPLUS

DN 142:472568

TI Electrophotographic photoreceptors with good abrasion resistance and smooth surface and electrophotographic apparatus having them

IN Suzuki, Hajime; Tsushima, Masataka; Tanito, Hisashi

PA Shindengen Electric Mfg. Co., Ltd., Japan; Yamanashi Electronics Co., Ltd.

SO Jpn. Kokai Tokkyo Koho, 21 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 11

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2005121926	A	20050512	JP 2003-357265	20031017
PRAI	JP 2003-357265		20031017		
OS	MARPAT 142:472568				

IT 167859-28-1

RL: DEV (Device component use); USES (Uses)
(charge transfer agent; Relectrophotog. photoreceptors with good abrasion resistance and smooth surface)

IT 115655-09-9

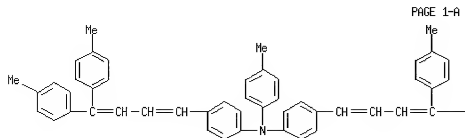
RL: DEV (Device component use); USES (Uses)
(charge transfer agent; electrophotog. photoreceptors with good abrasion resistance and smooth surface)

IT 167859-28-1

RL: DEV (Device component use); USES (Uses)
(charge transfer agent; Relectrophotog. photoreceptors with good abrasion resistance and smooth surface)

RN 167859-28-1 CAPLUS

CN Benzenamine, N,N-bis[4-(4-bis(4-methylphenyl)-1,3-butadien-1-yl)phenyl]-4-methyl- (CA INDEX NAME)



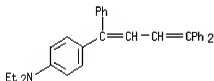


IT 115655-09-9

RL: DEV (Device component use); USES (Uses)
(charge transfer agent; electrophotog. photoreceptors with good
abrasion resistance and smooth surface)

RN 115655-09-9 CAPLUS

CN Benzenamine, N,N-diethyl-4-(1,4,4-triphenyl-1,3-butadien-1-yl)- (CA INDEX
NAME)



L14 ANSWER 6 OF 19 CAPLUS COPYRIGHT 2008 ACS on STN

Full Text

AN 2005:120256 CAPLUS

DN 142:207545

TI Electrophotographic photoreceptor containing specific charge-transporting
agents

IN Suruga, Kazuyuki; Oda, Tatsushi; Okachi, Makoto

PA Mitsubishi Paper Mills, Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 40 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2005037428	A	20050210	JP 2003-196961	20030715
	JP 4170840	B2	20081022		
PRAI	JP 2003-196961		20030715		

OS MARPAT 142:207545

IT 76185-65-4 85171-94-4 103079-11-4 **109995-82-6** 128956-68-3151406-98-3 157365-56-5 **167859-28-1** 169685-34-1

207308-35-8 535925-20-3 838853-57-9 838853-58-0

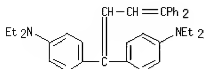
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(Electrophotog. photoreceptor contg. specific charge-transporting
agents)

IT 109995-82-6 167859-28-1

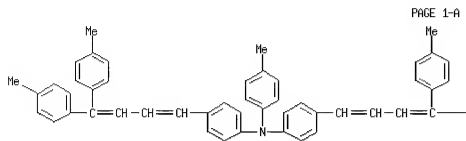
RL: DEV (Device component use); USES (Uses)
(Electrophotog. photoreceptor contg. specific charge-transporting
agents)

RN 109995-82-6 CAPLUS

CN Benzenamine, 4,4'-(4,4-diphenyl-1,3-butadien-1-ylidene)bis[N,N-diethyl-
(CA INDEX NAME)]



RN 167859-28-1 CAPLUS
 CN Benzenamine, N,N-bis[4-(4,4-bis(4-methylphenyl)-1,3-butadien-1-yl)phenyl]-
 4-methyl- (CA INDEX NAME)



PAGE 1-B



L14 ANSWER 7 OF 19 CAPLUS COPYRIGHT 2008 ACS on STN

Full Text

AN 2005:13738 CAPLUS

DN 142:123037

TI Electrophotographic photoreceptor having light-sensitive layer with low wear and surface roughness

IN Suzuki, Hajime; Nakamura, Hideki; Koizumi, Toshihiko

PA Shindengen Electric Mfg. Co., Ltd., Japan; Yamanashi Electronics Co., Ltd.

SO Jpn. Kokai Tokkyo Koho, 23 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2005003834	A	20050106	JP 2003-165904	20030611
PRAI	JP 2003-165904		20030611		
OS	MARPAT 142:123037				

IT 115655-09-9 167859-28-1

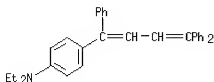
RL: DEV (Device component use); USES (Uses)
 (charge-transporting agent; electrophotog. photoreceptor contg.
 polycarbonate binders and specific charge-transporting agents for low
 wear and surface roughness)

IT 115655-09-9 167859-28-1

RL: DEV (Device component use); USES (Uses)
 (charge-transporting agent; electrophotog. photoreceptor contg.
 polycarbonate binders and specific charge-transporting agents for low
 wear and surface roughness)

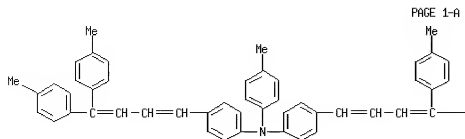
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CN Benzenamine, N,N-diethyl-4-(1,4,4-triphenyl-1,3-butadien-1-yl)- (CA INDEX NAME)



RN 167859-28-1 CAPLUS

CN Benzenamine, N,N-bis[4-[4,4-bis(4-methylphenyl)-1,3-butadien-1-yl]phenyl]-
4-methyl- (CA INDEX NAME)



PAGE 1-B



L14 ANSWER 8 OF 19 CAPLUS COPYRIGHT 2008 ACS on STN

Full Text

AN 2004:739305 CAPLUS

DN 141:251392

TI Electrophotographic photoreceptor having specific charge-transporting compound

IN Kobayashi, Masayuki; Otoguro, Koji; Tanito, Hisashi

PA Shindengen Electric Mfg. Co., Ltd., Japan; Yamanashi Electronics Co., Ltd.

SO Jpn. Kokai Tokkyo Koho, 18 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2004252328	A	20040909	JP 2003-44640	20030221
PRAI	JP 2003-44640		20030221		
OS	MARPAT 141:251392				
IT	115655-09-9	127446-78-0	135499-88-6	167859-28-1	

170888-92-3

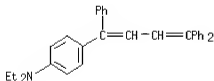
RL: TEM (Technical or engineered material use); USES (Uses)
(charge-transporting compd. in electrophotog. photoreceptor)

IT **115655-09-9 167859-28-1**

RL: TEM (Technical or engineered material use); USES (Uses)
(charge-transporting compd. in electrophotog. photoreceptor)

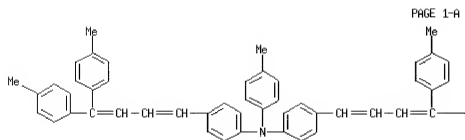
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CN Benzenamine, N,N-diethyl-4-(1,4,4-triphenyl-1,3-butadien-1-yl)- (CA INDEX NAME)



RN 167859-28-1 CAPLUS

CN Benzenamine, N,N-bis[4-[4,4-bis(4-methylphenyl)-1,3-butadien-1-yl]phenyl]-
4-methyl- (CA INDEX NAME)



PAGE 1-B



L14 ANSWER 9 OF 19 CAPLUS COPYRIGHT 2008 ACS on STN

Full Text

AN 2004:159847 CAPLUS

DN 140:225734

TI Electrophotographic photoreceptor containing specific charge-transporting compounds

IN Kodera, Tatsuya

PA Mitsubishi Paper Mills, Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 25 pp.

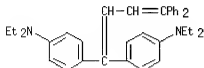
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DT Patent

LA Japanese

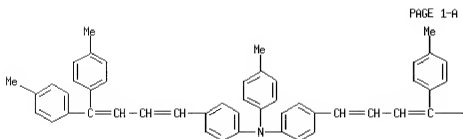
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2004061987	A	20040226	JP 2002-222243	20020731
PRAI	JP 2002-222243		20020731		
OS	MARPAT 140:225734				
IT	76185-65-4	85171-94-4	103079-11-4	109995-82-6	157365-56-5
	167859-28-1	169685-34-1	521309-52-4	521309-55-7	
	521309-58-0	521309-59-1	531510-29-9	663910-19-8	663910-20-1
	663910-21-2				
	RL: TEM (Technical or engineered material use); USES (Uses)				
	(charge-transporting compd. in electrophotog. photoreceptor)				
IT	109995-82-6	167859-28-1			
	RL: TEM (Technical or engineered material use); USES (Uses)				
	(charge-transporting compd. in electrophotog. photoreceptor)				
RN	109995-82-6	CAPLUS			
CN	Benzenamine, 4,4'-(4,4-diphenyl-1,3-butadien-1-ylidene)bis[N,N-diethyl- (CA INDEX NAME)]				



RN 167859-28-1 CAPLUS

CN Benzenamine, N,N-bis[4-[4,4-bis(4-methylphenyl)-1,3-butadien-1-yl]phenyl]-4-methyl- (CA INDEX NAME)



PAGE 1-B



L14 ANSWER 10 OF 19 CAPLUS COPYRIGHT 2008 ACS on STN

Full Text

AN 2004:159780 CAPLUS

DN 140:225728

TI Electrophotographic photoreceptor containing oxytitanium phthalocyanine with specific diffraction peaks

IN Suzuki, Hajime; Shinohara, Takumi; Kobayashi, Ryoji

PA Shindengen Electric Mfg. Co., Ltd., Japan; Yamanashi Denshi Kogyo K. K.

SO Jpn. Kokai Tokkyo Koho, 18 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2004061635	A	20040226	JP 2002-216795	20020725
PRAI	JP 2002-216795		20020725		
OS	WARPAT 140:225728				

IT 115655-09-9 127446-78-0 167859-26-9

167859-28-1 167859-29-2 182481-38-5

RL: DEV (Device component use); USES (Uses)

(charge-transporting agent; electrophotog. photoreceptor contg. oxytitanium phthalocyanine with specific diffraction peaks)

IT 115655-09-9 167859-26-9 167859-28-1

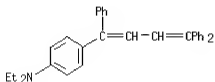
167859-29-2 182481-38-5

RL: DEV (Device component use); USES (Uses)

(charge-transporting agent; electrophotog. photoreceptor contg. oxytitanium phthalocyanine with specific diffraction peaks)

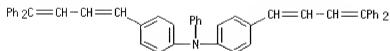
RN 115655-09-9 CAPLUS

CN Benzenamine, N,N-diethyl-4-(1,4,4-triphenyl-1,3-butadien-1-yl)- (CA INDEX NAME)



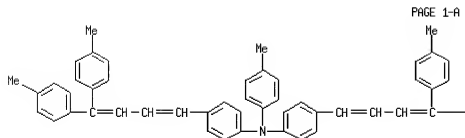
RN 167859-26-9 CAPLUS

CN Benzenamine, 4-(4,4-diphenyl-1,3-butadien-1-yl)-N-[4-(4,4-diphenyl-1,3-butadien-1-yl)phenyl]-N-phenyl- (CA INDEX NAME)



RN 167859-28-1 CAPLUS

CN Benzenamine, N,N-bis[4-[4,4-bis(4-methylphenyl)-1,3-butadien-1-yl]phenyl]-4-methyl- (CA INDEX NAME)

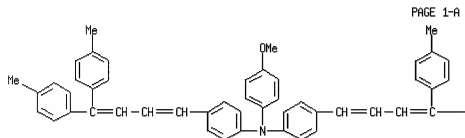


PAGE 1-B



RN 167859-29-2 CAPLUS

CN Benzenamine, 4-[4,4-bis(4-methylphenyl)-1,3-butadien-1-yl]-N-[4-[4,4-bis(4-methylphenyl)-1,3-butadien-1-yl]phenyl]-N-(4-methoxyphenyl)- (CA INDEX NAME)

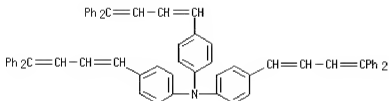


PAGE 1-B



RN 182481-38-5 CAPLUS

CN Benzenamine, 4-(4,4-diphenyl-1,3-butadien-1-yl)-N,N-bis[4-(4,4-diphenyl-1,3-butadien-1-yl)phenyl]- (CA INDEX NAME)



L14 ANSWER 11 OF 19 CAPLUS COPYRIGHT 2008 ACS on STN

Full Text

AN 2004:118492 CAPLUS

DN 140:189935

TI Electrophotographic photoconductor showing high sensitivity and stable performance

IN Suruga, Kazuyuki; Okaji, Makoto; Oda, Tatsushi

PA Mitsubishi Paper Mills, Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 36 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2004045909	A	20040212	JP 2002-205011	20020715
PRAI	JP 2002-205011		20020715		

OS MARPAT 140:189935

IT 76185-65-4 85171-94-4 103079-11-4 **109995-82-6** 157365-56-5

167859-27-0 169685-34-1 531510-31-3 531510-32-4

531510-34-6 531510-35-7 531510-37-9

RL: DEV (Device component use); USES (Uses)

(electrophotog. photoconductor contg. specific combination of charge transport compds. to improve sensitivity and stable performance)

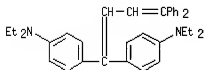
IT **109995-82-6 167859-27-0**

RL: DEV (Device component use); USES (Uses)

(electrophotog. photoconductor contg. specific combination of charge transport compds. to improve sensitivity and stable performance)

RN 109995-82-6 CAPLUS

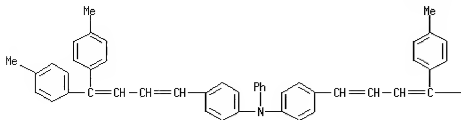
CN Benzenamine, 4-[4,4'-bis(4-methylphenyl)-1,3-butadien-1-ylidene]bis[N,N-diethyl- (CA INDEX NAME)]



RN 167859-27-0 CAPLUS

CN Benzenamine, 4-[4,4'-bis(4-methylphenyl)-1,3-butadien-1-yl]-N-[4-[4,4'-bis(4-methylphenyl)-1,3-butadien-1-yl]phenyl]-N-phenyl- (CA INDEX NAME)]

PAGE 1-A





L14 ANSWER 12 OF 19 CAPLUS COPYRIGHT 2008 ACS on STN

Full Text

AN 2003:259922 CAPLUS

DN 138:294852

TI Electrophotographic photoreceptor containing specific electron-transporting substance and hole-transporting substance in single photosensitive layer for improved sensitivity

IN Kiuchi, Yasuyuki; Sato, Toyozo; Suzuki, Koki; Momose, Teruyo; Uchida, Tadayoshi

PA Shindengen Electric Mfg. Co., Ltd., Japan; Yamanashi Denshi Kogyo K. K.; Permchem Asia, Ltd.

SO Jpn. Kokai Tokkyo Koho, 49 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2003098702	A	20030404	JP 2001-289552	20010921
	TW 284249	B	20070721	TW 2003-92105932	20030318
PRAI	JP 2001-289552	A	20010921		

OS MARPAT 138:294852

IT 82532-76-1 103079-11-4 **115655-09-9** 122738-12-9 139475-10-8

167859-28-1 178476-93-2 178477-07-1 503843-39-8

RL: DEV (Device component use); USES (Uses)

(hole-transporting substance; electrophotog. photoreceptor contg. specific electron-transporting substance and hole-transporting substance in single photosensitive layer)

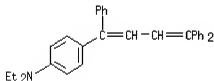
IT **115655-09-9 167859-28-1**

RL: DEV (Device component use); USES (Uses)

(hole-transporting substance; electrophotog. photoreceptor contg. specific electron-transporting substance and hole-transporting substance in single photosensitive layer)

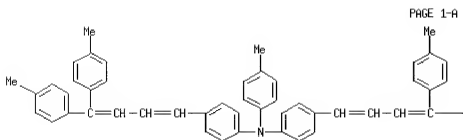
RN 115655-09-9 CAPLUS

CN Benzenamine, N,N-diethyl-4-(1,4,4-triphenyl-1,3-butadien-1-yl)- (CA INDEX NAME)



RN 167859-28-1 CAPLUS

CN Benzenamine, N,N-bis[4-[4,4-bis(4-methylphenyl)-1,3-butadien-1-yl]phenyl]-4-methyl- (CA INDEX NAME)



PAGE 1-B



L14 ANSWER 13 OF 19 CAPLUS COPYRIGHT 2008 ACS on STN

Full Text

AN 2003:116670 CAPLUS

DN 138:161043

TI High sensitive electrophotographic photoconductor showing stable performance

IN Suzuki, Hajime; Nakamura, Hideki; Shinohara, Takumi; Tanaka, Tadashi

PA Shindengen Electric Mfg. Co., Ltd., Japan; Yamanashi Denshi Kogyo K. K.

SO Jpn. Kokai Tokkyo Koho, 11 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2003043715	A	20030214	JP 2001-231089	20010731
PRAI	JP 2001-231089		20010731		

OS MARPAT 138:161043

IT 115655-09-9 127446-78-0 167859-26-9

167859-28-1 167859-29-2 182481-38-5

RL: DEV (Device component use); USES (Uses)

(charge transport material in high sensitive electrophotog. photoconductor showing stable performance)

IT 115655-09-9 167859-26-9 167859-28-1

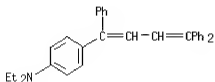
167859-29-2 182481-38-5

RL: DEV (Device component use); USES (Uses)

(charge transport material in high sensitive electrophotog. photoconductor showing stable performance)

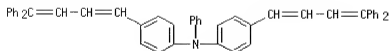
RN 115655-09-9 CAPLUS

CN Benzenamine, N,N-diethyl-4-(1,4,4-triphenyl-1,3-butadien-1-yl)- (CA INDEX NAME)



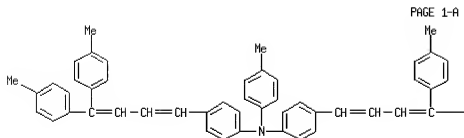
RN 167859-26-9 CAPLUS

CN Benzenamine, 4-(4,4-diphenyl-1,3-butadien-1-yl)-N-[4-(4,4-diphenyl-1,3-butadien-1-yl)phenyl]-N-phenyl- (CA INDEX NAME)



RN 167859-28-1 CAPLUS

CN Benzenamine, N,N-bis[4-[4,4-bis(4-methylphenyl)-1,3-butadien-1-yl]phenyl]-4-methyl- (CA INDEX NAME)

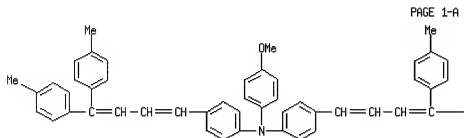


PAGE 1-B



RN 167859-29-2 CAPLUS

CN Benzenamine, 4-[4,4-bis(4-methylphenyl)-1,3-butadien-1-yl]-N-[4-[4,4-bis(4-methylphenyl)-1,3-butadien-1-yl]phenyl]-N-(4-methoxyphenyl)- (CA INDEX NAME)

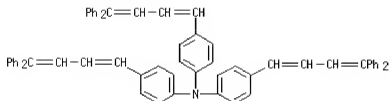


PAGE 1-B



RN 182481-38-5 CAPLUS

CN Benzenamine, 4-(4,4-diphenyl-1,3-butadien-1-yl)-N,N-bis[4-(4,4-diphenyl-1,3-butadien-1-yl)phenyl]- (CA INDEX NAME)



L14 ANSWER 14 OF 19 CAPLUS COPYRIGHT 2008 ACS on STN

Full Text

AN 2003:40263 CAPLUS

DN 138:114998

TI Electrophotographic photoreceptor using butadiene and amine compound as charge-transporting agent

IN Suzuki, Hajime; Nakamura, Hideki

PA Shindengen Electric Mfg. Co., Ltd., Japan; Yamanashi Denshi Kogyo K. K. Jpn. Kokai Tokkyo Koho, 13 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2003015332	A	20030117	JP 2001-198024	20010629
PRAI	JP 2001-198024		20010629		

OS MARPAT 138:114998

IT 115655-09-9 127446-78-0 167859-26-9

167859-28-1 167859-29-2 182481-38-5

RL: DEV (Device component use); USES (Uses)
(electrophotog. photoreceptor using butadiene and amine compd. as charge-transporting agent)

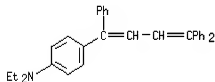
IT 115655-09-9 167859-26-9 167859-28-1

167859-29-2 182481-38-5

RL: DEV (Device component use); USES (Uses)
(electrophotog. photoreceptor using butadiene and amine compd. as charge-transporting agent)

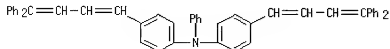
RN 115655-09-9 CAPLUS

CN Benzenamine, N,N-diethyl-4-(1,4,4-triphenyl-1,3-butadien-1-yl)- (CA INDEX NAME)



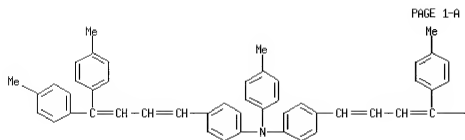
RN 167859-26-9 CAPLUS

CN Benzenamine, 4-(4,4-diphenyl-1,3-butadien-1-yl)-N-[4-(4,4-diphenyl-1,3-butadien-1-yl)phenyl]-N-phenyl- (CA INDEX NAME)



RN 167859-28-1 CAPLUS

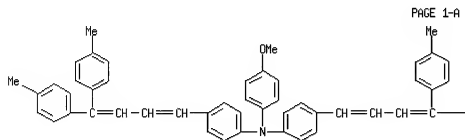
CN Benzenamine, N,N-bis[4-(4,4-bis(4-methylphenyl)-1,3-butadien-1-yl)phenyl]-4-methyl- (CA INDEX NAME)



PAGE 1-B



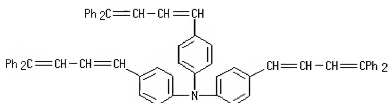
RN 167859-29-2 CAPLUS
 CN Benzenamine, 4-[4,4-bis(4-methylphenyl)-1,3-butadien-1-yl]-N-[4-(4-bis(4-methylphenyl)-1,3-butadien-1-yl)phenyl]-N-(4-methoxyphenyl)- (CA INDEX NAME)



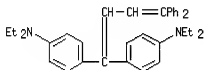
PAGE 1-B



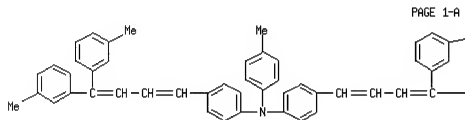
RN 182481-38-5 CAPLUS
 CN Benzenamine, 4-(4,4-diphenyl-1,3-butadien-1-yl)-N,N-bis[4-(4,4-diphenyl-1,3-butadien-1-yl)phenyl]- (CA INDEX NAME)



AN 2002:700254 CAPLUS
 DN 138:360295
 TI Organic photosensor in Elgraphy-Part III Enhancement of spectral sensitivity by addition of fluorescent charge transport material
 AU Aoki, D.; Hikosaka, S.; Inoue, E.
 CS Central Research Institute Dainippon Printing Co., Ltd., Chiba-ken, Japan
 SO Journal of Imaging Science and Technology (2002), 46(4), 338-343
 CODEN: JIMTE6; ISSN: 1062-3701
 PB Society for Imaging Science and Technology
 DT Journal
 LA English
 IT 73276-71-8 89114-90-9 **109995-82-6** 122738-25-4 134702-49-1
219786-98-8
 RL: DEV (Device component use); PRP (Properties); USES (Uses)
 (charge transport layer; characterization of fluorescent charge transport material for elgraphic photosensors)
 IT **109995-82-6 219786-98-8**
 RL: DEV (Device component use); PRP (Properties); USES (Uses)
 (charge transport layer; characterization of fluorescent charge transport material for elgraphic photosensors)
 RN 109995-82-6 CAPLUS
 CN Benzenamine, 4,4'-(4,4-diphenyl-1,3-butadien-1-ylidene)bis[N,N-diethyl-
 (CA INDEX NAME)]



RN 219786-98-8 CAPLUS
 CN Benzenamine, 4-[4,4-bis(3-methylphenyl)-1,3-butadien-1-yl]-N-[4-[4,4-bis(3-methylphenyl)-1,3-butadien-1-yl]phenyl]-N-(4-methylphenyl)- (CA INDEX NAME)



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PAGE 1-B

RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L14 ANSWER 16 OF 19 CAPLUS COPYRIGHT 2008 ACS on STN

[Full Text](#)

AN 2002:518049 CAPLUS
 DN 137:101363
 TI Electrophotographic photoreceptors with good sensitivity to long-wavelength radiation
 IN Suzuki, Hajime; Nakamura, Hideki; Koizumi, Toshihiko; Sano, Masaki; Kobayashi, Ryoji; Shinohara, Takumi; Tanaka, Tadashi
 PA Shindengen Electric Mfg. Co., Ltd., Japan; Yamanashi Denshi Kogyo K. K.

SO Jpn. Kokai Tokkyo Koho, 15 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

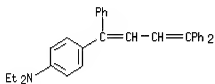
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2002196519	A	20020712	JP 2000-394099	20001226
PRAI	JP 2000-394099		20001226		
OS	MARPAT 137:101363				

IT 115655-09-9 157365-56-5, Benzenemethanamine, N-[4-[1-[4-(dimethylamino)phenyl]-4,4-diphenyl-1,3-butadienyl]phenyl]-N-(phenylmethyl)- 167859-28-1 182481-38-5
RL: TEM (Technical or engineered material use); USES (Uses) (charge transfer agent; high-sensitivity electrophotog. photoreceptors having phenylbutadiene-based amine charge transfer agents)

IT 115655-09-9 167859-28-1 182481-38-5
RL: TEM (Technical or engineered material use); USES (Uses) (charge transfer agent; high-sensitivity electrophotog. photoreceptors having phenylbutadiene-based amine charge transfer agents)

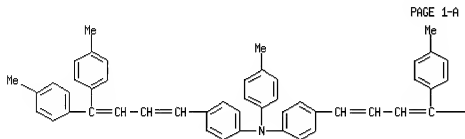
RN 115655-09-9 CAPLUS

CN Benzenamine, N,N-diethyl-4-(1,4,4-triphenyl-1,3-butadien-1-yl)- (CA INDEX NAME)



RN 167859-28-1 CAPLUS

CN Benzenamine, N,N-bis[4-[4,4-bis(4-methylphenyl)-1,3-butadien-1-yl]phenyl]-4-methyl- (CA INDEX NAME)



PAGE 1-A

PAGE 1-B



RN 182481-38-5 CAPLUS

CN Benzenamine, 4-(4,4-diphenyl-1,3-butadien-1-yl)-N,N-bis[4-(4,4-diphenyl-1,3-butadien-1-yl)phenyl]- (CA INDEX NAME)



L14 ANSWER 18 OF 19 CAPLUS COPYRIGHT 2008 ACS on STN

Full Text

AN 2001:933860 CAPLUS

DN 136:61505

TI Laminate type electrophotographic photoconductor containing additive to reduce peroxide formation

IN Shingae, Ryuichi

PA Matsushita Electric Industrial Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 11 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2001356506	A	20011226	JP 2000-177940	20000614
PRAI	JP 2000-177940		20000614		
OS	MARPAT 136:61505				

IT 109995-82-6 167859-26-9

RL: DEV (Device component use); TEM (Technical or engineered material use); USES (Uses)

(charge transport material; laminate type electrophotog. photoconductor contg. additive to reduce peroxide formation)

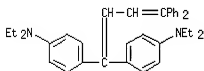
IT 109995-82-6 167859-26-9

RL: DEV (Device component use); TEM (Technical or engineered material use); USES (Uses)

(charge transport material; laminate type electrophotog. photoconductor contg. additive to reduce peroxide formation)

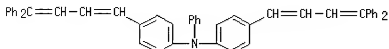
RN 109995-82-6 CAPLUS

CN Benzenamine, 4-(4,4'-diphenyl-1,3-butadien-1-ylidene)bis[N,N-diethyl- (CA INDEX NAME)]



RN 167859-26-9 CAPLUS

CN Benzenamine, 4-(4,4'-diphenyl-1,3-butadien-1-yl)-N-[4-(4,4'-diphenyl-1,3-butadien-1-yl)phenyl]-N-phenyl- (CA INDEX NAME)



L14 ANSWER 19 OF 19 CAPLUS COPYRIGHT 2008 ACS on STN

Full Text

AN 1999:650494 CAPLUS

DN 131:287748

TI Oxy titanium phthalocyanines, their manufacture and use as photoreceptors for electrophotographic printing

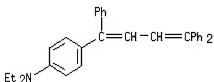
IN Suzuki, Hajime

PA Shindengen Electric Mfg. Co., Ltd., Japan; Yamanashi Denshi Kogyo K. K.

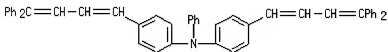
SO Jpn. Kokai Tokkyo Koho, 14 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 11279430	A	19991012	JP 1998-86426	19980331
PRAI	JP 1998-86426		19980331		
OS	MARPAT 131:287748				

IT **115655-09-9** 127446-78-0 **167859-26-9**
 RL: TEM (Technical or engineered material use); USES (Uses)
 (charge-transfer agents; oxy titanium phthalocyanines, manuf. and use
 as photoreceptors for electrophotog. printing)
 IT **115655-09-9** **167859-26-9**
 RL: TEM (Technical or engineered material use); USES (Uses)
 (charge-transfer agents; oxy titanium phthalocyanines, manuf. and use
 as photoreceptors for electrophotog. printing)
 RN 115655-09-9 CAPLUS
 CN Benzenamine, N,N-diethyl-4-(1,4,4-triphenyl-1,3-butadien-1-yl)- (CA INDEX
 NAME)



RN 167859-26-9 CAPLUS
 CN Benzenamine, 4-(4,4-diphenyl-1,3-butadien-1-yl)-N-[4-(4,4-diphenyl-1,3-butadien-1-yl)phenyl]-N-phenyl- (CA INDEX NAME)



COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	79.05	352.87

FILE 'STINGUIDE' ENTERED AT 08:03:56 ON 25 NOV 2008
 USE IS SUBJECT TO THE TERMS OF YOUR CUSTOMER AGREEMENT
 COPYRIGHT (C) 2008 AMERICAN CHEMICAL SOCIETY (ACS)

FILE CONTAINS CURRENT INFORMATION.
 LAST RELOADED: Nov 21, 2008 (20081121/UP).

=>
 => d his

(FILE 'HOME' ENTERED AT 07:24:11 ON 25 NOV 2008)

FILE 'CA' ENTERED AT 07:25:28 ON 25 NOV 2008
 E WO2005064415/PN

L1 1 S E3
 SEL RN

FILE 'REGISTRY' ENTERED AT 07:25:56 ON 25 NOV 2008
 5 S E1-E5

L2
 FILE 'REGISTRY' ENTERED AT 07:55:33 ON 25 NOV 2008
 L3 SCREEN 1992 AND 1841
 L4 STRUCTURE UPLOADED

```

L5          QUE L4 AND L3
L6          SCREEN 1994 OR 1842
L7          STRUCTURE UPLOADED
L8          QUE L7 NOT L6
L9          STRUCTURE UPLOADED
L10         27 S L5 SAM
L11         404 S L5 SSS FULL
L12         66 S L8 SUB=L11 FULL
L13         59 S L9 FULL SUB=L11

```

```

L14         FILE 'CAPLUS' ENTERED AT 08:02:32 ON 25 NOV 2008
           19 S L12 AND L13

```

FILE 'STNGUIDE' ENTERED AT 08:03:56 ON 25 NOV 2008

```

=> fil reg
COST IN U.S. DOLLARS                SINCE FILE      TOTAL
                                   ENTRY      SESSION
FULL ESTIMATED COST                0.96      353.83

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FILE 'REGISTRY' ENTERED AT 08:13:47 ON 25 NOV 2008
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```

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```

STRUCTURE FILE UPDATES:  23 NOV 2008  HIGHEST RN 1074766-44-1
DICTIONARY FILE UPDATES: 23 NOV 2008  HIGHEST RN 1074766-44-1

```

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH July 5, 2008.

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REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

```

=> save l12 a584438I/a
ANSWER SET L12 HAS BEEN SAVED AS 'A584438I/A'

```

```

=> save l13 a584348II/a
ANSWER SET L13 HAS BEEN SAVED AS 'A584348II/A'

```

```

=> fil stnguide
'STNGUIDE' IS NOT A VALID FILE NAME
SESSION CONTINUES IN FILE 'REGISTRY'
Enter "HELP FILE NAMES" at an arrow prompt (=>) for a list of files
that are available. If you have requested multiple files, you can
specify a corrected file name or you can enter "IGNORE" to continue
accessing the remaining file names entered.

```

```

=> fil stnguide
COST IN U.S. DOLLARS                SINCE FILE      TOTAL
                                   ENTRY      SESSION
FULL ESTIMATED COST                0.46      354.29

```

```

FILE 'STNGUIDE' ENTERED AT 08:14:25 ON 25 NOV 2008
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```

FILE CONTAINS CURRENT INFORMATION.
LAST RELOADED: Nov 21, 2008 (20081121/UP).

```

=> fil reg; e polyimide/pct

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COST IN U.S. DOLLARS	SINCE FILE	TOTAL
FULL ESTIMATED COST	ENTRY	SESSION
	0.06	354.35

FILE 'REGISTRY' ENTERED AT 08:14:53 ON 25 NOV 2008
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STRUCTURE FILE UPDATES: 23 NOV 2008 HIGHEST RN 1074766-44-1
 DICTIONARY FILE UPDATES: 23 NOV 2008 HIGHEST RN 1074766-44-1

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Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

E1	3852	POLYHYDRAZIDE/PCT
E2	2994	POLYHYDRAZIDE FORMED/PCT
E3	61492 -->	POLYIMIDE/PCT
E4	38528	POLYIMIDE FORMED/PCT
E5	5906	POLYIONENE/PCT
E6	2299	POLYIONENE FORMED/PCT
E7	5077	POLYISOCYANURATE/PCT
E8	643	POLYISOCYANURATE FORMED/PCT
E9	21203	POLYKETONE/PCT
E10	2162	POLYKETONE FORMED/PCT
E11	2834	POLYNUCLEOTIDE/PCT
E12	37149	POLYOLEFIN/PCT

=> s e3
 L15 61492 POLYIMIDE/PCT

=> fil ca; d his	SINCE FILE	TOTAL
COST IN U.S. DOLLARS	ENTRY	SESSION
FULL ESTIMATED COST	7.86	362.21

FILE 'CA' ENTERED AT 08:15:07 ON 25 NOV 2008
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FILE COVERS 1907 - 21 Nov 2008 VOL 149 ISS 22
 FILE LAST UPDATED: 21 Nov 2008 (20081121/ED)

CA now includes complete International Patent Classification (IPC) reclassification data for the third quarter of 2008.

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

(FILE 'HOME' ENTERED AT 07:24:11 ON 25 NOV 2008)
FILE 'CA' ENTERED AT 07:25:28 ON 25 NOV 2008
L1 E WO2005064415/PN
1 S E3
SEL RN
FILE 'REGISTRY' ENTERED AT 07:25:56 ON 25 NOV 2008
L2 5 S E1-E5
FILE 'REGISTRY' ENTERED AT 07:55:33 ON 25 NOV 2008
L3 SCREEN 1992 AND 1841
L4 STRUCTURE UPLOADED
L5 QUE L4 AND L3
L6 SCREEN 1994 OR 1842
L7 STRUCTURE UPLOADED
L8 QUE L7 NOT L6
L9 STRUCTURE UPLOADED
L10 27 S L5 SAM
L11 404 S L5 SSS FULL
L12 66 S L8 SUB=L11 FULL
L13 59 S L9 FULL SUB=L11
FILE 'CAPLUS' ENTERED AT 08:02:32 ON 25 NOV 2008
L14 19 S L12 AND L13
FILE 'STNGUIDE' ENTERED AT 08:03:56 ON 25 NOV 2008
FILE 'REGISTRY' ENTERED AT 08:13:47 ON 25 NOV 2008
SAVE L12 A584438I/A
SAVE L13 A584348I/A
FILE 'STNGUIDE' ENTERED AT 08:14:25 ON 25 NOV 2008
FILE 'REGISTRY' ENTERED AT 08:14:53 ON 25 NOV 2008
L15 E POLYIMIDE/PCT
61492 S E3
FILE 'CA' ENTERED AT 08:15:07 ON 25 NOV 2008

=> fil caplus; s l15 and l14

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
0.46	362.67

FULL ESTIMATED COST

FILE 'CAPLUS' ENTERED AT 08:15:34 ON 25 NOV 2008

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FILE COVERS 1907 - 25 Nov 2008 VOL 149 ISS 22

FILE LAST UPDATED: 24 Nov 2008 (20081124/ED)

Caplus now includes complete International Patent Classification (IPC) reclassification data for the third quarter of 2008.

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/legal/infopolicy.html>

42078 L15
L16 1 L15 AND L14

=> d bib

L16 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2008 ACS on STN

Full Text

AN 2005:612566 CAPLUS

DN 143:142677

TI Electrophotographic photoreceptor and electrophotographic apparatus

IN Suzuki, Hajime; Uchida, Tadayoshi; Kobayashi, Ryoji

PA Shindengen Electric Mfg. Co., Ltd., Japan; Yamanashi Electronics Co., Ltd.

SO PCT Int. Appl., 28 pp.

CODEN: PIXXD2

DT Patent

LA Japanese

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2005064415	A1	20050714	WO 2004-JP19063	20041221
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
US 20070148574	A1	20070628	US 2006-584348	20060623
PRAI JP 2003-434462	A	20031226		
WO 2004-JP19063	W	20041221		
OS MARPAT 143:142677				

RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> fil stnguide

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

1.69

364.36

FILE 'STNGUIDE' ENTERED AT 08:16:00 ON 25 NOV 2008

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FILE CONTAINS CURRENT INFORMATION.

LAST RELOADED: Nov 21, 2008 (20081121/UP).

=> log h

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

1.02

365.38

SESSION WILL BE HELD FOR 120 MINUTES

STN INTERNATIONAL SESSION SUSPENDED AT 08:26:19 ON 25 NOV 2008

* * * * * RECONNECTED TO STN INTERNATIONAL * * * * *

SESSION RESUMED IN FILE 'STNGUIDE' AT 09:37:40 ON 25 NOV 2008

FILE 'STNGUIDE' ENTERED AT 09:37:40 ON 25 NOV 2008

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	1.02	365.38

=> d his

(FILE 'HOME' ENTERED AT 07:24:11 ON 25 NOV 2008)

FILE 'CA' ENTERED AT 07:25:28 ON 25 NOV 2008

E WO2005064415/PN

L1 1 S E3
SEL RN

FILE 'REGISTRY' ENTERED AT 07:25:56 ON 25 NOV 2008

L2 5 S E1-E5

FILE 'REGISTRY' ENTERED AT 07:55:33 ON 25 NOV 2008

L3 SCREEN 1992 AND 1841

L4 STRUCTURE UPLOADED

L5 QUE L4 AND L3

L6 SCREEN 1994 OR 1842

L7 STRUCTURE UPLOADED

L8 QUE L7 NOT L6

L9 STRUCTURE UPLOADED

L10 27 S L5 SAM

L11 404 S L5 SSS FULL

L12 66 S L8 SUB=L11 FULL

L13 59 S L9 FULL SUB=L11

FILE 'CAPLUS' ENTERED AT 08:02:32 ON 25 NOV 2008

L14 19 S L12 AND L13

FILE 'STNGUIDE' ENTERED AT 08:03:56 ON 25 NOV 2008

FILE 'REGISTRY' ENTERED AT 08:13:47 ON 25 NOV 2008

SAVE L12 A584438I/A

SAVE L13 A584348II/A

FILE 'STNGUIDE' ENTERED AT 08:14:25 ON 25 NOV 2008

FILE 'REGISTRY' ENTERED AT 08:14:53 ON 25 NOV 2008

E POLYIMIDE/PCT

L15 61492 S E3

FILE 'CA' ENTERED AT 08:15:07 ON 25 NOV 2008

FILE 'CAPLUS' ENTERED AT 08:15:34 ON 25 NOV 2008

L16 1 S L15 AND L14

FILE 'STNGUIDE' ENTERED AT 08:16:00 ON 25 NOV 2008

=> fil caplus; s l15 (p) (undercoat? or underlayer# or barrier or block?)

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	1.20	365.56

FILE 'CAPLUS' ENTERED AT 09:39:32 ON 25 NOV 2008

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FILE COVERS 1907 - 25 Nov 2008 VOL 149 ISS 22
FILE LAST UPDATED: 24 Nov 2008 (20081124/ED)

Caplus now includes complete International Patent Classification (IPC)
reclassification data for the third quarter of 2008.

Effective October 17, 2005, revised CAS Information Use Policies apply.
They are available for your review at:

<http://www.cas.org/legal/infopolicy.html>

42078 L15
10445 UNDERCOAT?
8281 UNDERLAYER#
257354 BARRIER
701241 BLOCK?

L17 851 L15 (P) (UNDERCOAT? OR UNDERLAYER# OR BARRIER OR BLOCK?)

=> s l17 and (l12 or l13)

469 L12
85 L13

L18 1 L17 AND (L12 OR L13)

=> d bib

L18 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2008 ACS on STN

Full Text

AN 2005:612566 CAPLUS

DN 143:142677

TI Electrophotographic photoreceptor and electrophotographic apparatus

IN Suzuki, Hajime; Uchida, Tadayoshi; Kobayashi, Ryoji

PA Shindengen Electric Mfg. Co., Ltd., Japan; Yamanashi Electronics Co., Ltd.

SO PCT Int. Appl., 28 pp.

CODEN: PIXXD2

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2005064415	A1	20050714	WO 2004-JP19063	20041221
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LI, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
	RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
	US 20070148574	A1	20070628	US 2006-584348	20060623
PRAI	JP 2003-434462	A	20031226		
	WO 2004-JP19063	W	20041221		
OS	MARPAT 143:142677				

RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> log h

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	10.65	376.21

SESSION WILL BE HELD FOR 120 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 09:40:36 ON 25 NOV 2008

* * * * * RECONNECTED TO STN INTERNATIONAL * * * * *
SESSION RESUMED IN FILE 'CAPLUS' AT 09:44:34 ON 25 NOV 2008

FILE 'CAPLUS' ENTERED AT 09:44:34 ON 25 NOV 2008
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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	10.65	376.21

=> patfull; s l12 or l13
PATFULL IS NOT A RECOGNIZED COMMAND
COMMAND STACK INTERRUPTED. ENTER "DISPLAY HISTORY"
TO SEE WHICH COMMANDS WERE EXECUTED.

The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).

=> fil uspatfull; s l12 or l13	SINCE FILE ENTRY	TOTAL SESSION
COST IN U.S. DOLLARS	11.13	376.69
FULL ESTIMATED COST		

FILE 'USPATFULL' ENTERED AT 09:45:16 ON 25 NOV 2008
CA INDEXING COPYRIGHT (C) 2008 AMERICAN CHEMICAL SOCIETY (ACS)

FILE COVERS 1971 TO PATENT PUBLICATION DATE: 25 Nov 2008 (20081125/PD)
FILE LAST UPDATED: 25 Nov 2008 (20081125/ED)
HIGHEST GRANTED PATENT NUMBER: US7458102
HIGHEST APPLICATION PUBLICATION NUMBER: US20080289071
CA INDEXING IS CURRENT THROUGH 25 Nov 2008 (20081125/UPCA)
ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 25 Nov 2008 (20081125/PD)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Aug 2008
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Aug 2008

USPATFULL now includes complete International Patent Classification (IPC)
reclassification data for the third quarter of 2008.

75 L12
17 L13
L19 89 L12 OR L13

=> s (polyimide# (P) (undercoat? or underlayer# or barrier or block?))
123563 POLYIMIDE#
15921 UNDERCOAT?
13234 UNDERLAYER#
317842 BARRIER
2090127 BLOCK?
L20 10688 (POLYIMIDE# (P) (UNDERCOAT? OR UNDERLAYER# OR BARRIER OR BLOCK?))
)

=> s l19 and l20
L21 11 L19 AND L20

=> d pn 1-11

L21 ANSWER 1 OF 11 USPATFULL on STN
Full Text
PI US 20070148574 A1 20070628

L21 ANSWER 2 OF 11 USPATFULL on STN
Full Text
PI US 20060154159 A1 20060713

L21 ANSWER 3 OF 11 USPATFULL on STN
Full Text
PI US 20030148199 A1 20030807
US 6869740 B2 20050322

L21 ANSWER 4 OF 11 USPATFULL on STN
Full Text
PI US 6447965 B1 20020910

L21 ANSWER 5 OF 11 USPATFULL on STN
Full Text
 PI US 5534375 19960709

 L21 ANSWER 6 OF 11 USPATFULL on STN
Full Text
 PI US 5294510 19940315

 L21 ANSWER 7 OF 11 USPATFULL on STN
Full Text
 PI US 5128228 19920707

 L21 ANSWER 8 OF 11 USPATFULL on STN
Full Text
 PI US 4956255 19900911

 L21 ANSWER 9 OF 11 USPATFULL on STN
Full Text
 PI US 4939053 19900703

 L21 ANSWER 10 OF 11 USPATFULL on STN
Full Text
 PI US 4865935 19890912

 L21 ANSWER 11 OF 11 USPATFULL on STN
Full Text
 PI US 4810608 19890307

=> fil stnguide		
COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	17.05	393.74

FILE 'STNGUIDE' ENTERED AT 09:46:38 ON 25 NOV 2008
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FILE CONTAINS CURRENT INFORMATION.
 LAST RELOADED: Nov 21, 2008 (20081121/UP).

=> fil reg		
COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.48	394.22

FILE 'REGISTRY' ENTERED AT 09:51:16 ON 25 NOV 2008
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STRUCTURE FILE UPDATES: 23 NOV 2008 HIGHEST RN 1074766-44-1
 DICTIONARY FILE UPDATES: 23 NOV 2008 HIGHEST RN 1074766-44-1

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TSCA INFORMATION NOW CURRENT THROUGH July 5, 2008.

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/sindoc/properties.html>

=> e cm 8000/cn

E1 1 CM 79/CN
 E2 1 CM 80/CN
 E3 1 --> CM 8000/CN
 E4 1 CM 8014/CN
 E5 1 CM 80707/CN
 E6 1 CM 82288/CN
 E7 1 CM 8282/CN
 E8 1 CM 831/CN
 E9 1 CM 833/CN
 E10 1 CM 833P/CN
 E11 1 CM 841X/CN
 E12 1 CM 842P48/CN

=> s e3; d

L22 1 "CM 8000"/CN

L22 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2008 ACS on STN

RN 55398-96-4 REGISTRY

ED Entered STN: 16 Nov 1984

CN Decanedioic acid, polymer with azacyclotridecan-2-one, hexahydro-2H-azepin-2-one, 1,6-hexanediamine and hexanedioic acid (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 1,6-Hexanediamine, polymer with azacyclotridecan-2-one, decanedioic acid, hexahydro-2H-azepin-2-one and hexanedioic acid (9CI)

CN 2H-Azepin-2-one, hexahydro-, polymer with azacyclotridecan-2-one, decanedioic acid, 1,6-hexanediamine and hexanedioic acid (9CI)

CN Azacyclotridecan-2-one, polymer with decanedioic acid, hexahydro-2H-azepin-2-one, 1,6-hexanediamine and hexanedioic acid (9CI)

CN Hexanedioic acid, polymer with azacyclotridecan-2-one, decanedioic acid, hexahydro-2H-azepin-2-one and 1,6-hexanediamine (9CI)

OTHER NAMES:

CN 843P48

CN 843P48A

CN Adipic acid-ε-caprolactam-dodecalactam-hexamethylenediamine-sebacic acid copolymer

CN Amilan CM 8000

CN **CM 8000**

CN Nylon 6-nylon 12-nylon 66-nylon 610 copolymer

DR 161865-24-3, 162281-11-0, 127195-46-4

MF (C12 H23 N O . C10 H18 O4 . C6 H16 N2 . C6 H11 N O . C6 H10 O4)x

CI PMS

PCT Polyamide, Polyamide formed

LC STN Files: CA, CAPLUS, CHEMLIST, PIRA, TOXCENTER, USPAT2, USPATFULL

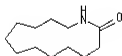
Other Sources: NDSL**, TSCA**

(**Enter CHEMLIST File for up-to-date regulatory information)

CM 1

CRN 947-04-6

CMF C12 H23 N O



CM 2

CRN 124-09-4

CMF C6 H16 N2

H₂N-(CH₂)₆-NH₂

CM 3
CRN 124-04-9
CMF C6 H10 O4

HO₂C-(CH₂)₄-CO₂H

CM 4
CRN 111-20-6
CMF C10 H18 O4

HO₂C-(CH₂)₈-CO₂H

CM 5
CRN 105-60-2
CMF C6 H11 N O



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

289 REFERENCES IN FILE CA (1907 TO DATE)
6 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
289 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> fil stnguide

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	8.07	402.29

FILE 'STNGUIDE' ENTERED AT 09:52:45 ON 25 NOV 2008
USE IS SUBJECT TO THE TERMS OF YOUR CUSTOMER AGREEMENT
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FILE CONTAINS CURRENT INFORMATION.
LAST RELOADED: Nov 21, 2008 (20081121/UP).

=> log h

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.30	402.59

SESSION WILL BE HELD FOR 120 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 09:55:46 ON 25 NOV 2008